

1 – 16. (canceled)

17. (currently amended) A system for maintaining qualification of an operator using an authentication recording medium, the system comprising:

an authentication recording medium ~~stores~~ storing readable identification data and readable/writable skill authentication data;

a terminal for maintenance operation ~~of an object~~ for managing and maintaining a system or device at a work sites site by using said authentication recording medium, said terminal for maintenance operation including comprises an a first authentication recording medium read/write device cooperable with said authentication recording medium;

a mobile terminal ~~comprises an~~ including a second authentication recording medium read/write device cooperable with said authentication recording medium;

a data management server; and

a PC for education ~~comprises an~~ including a third authentication recording medium read/write device cooperable with said authentication recording medium, wherein

the system for maintaining qualification of an operator uses ~~[[an]]~~ said authentication recording medium to authenticate an operator to carry out a maintenance operation of ~~object~~ said system or device at said work sites site by the medium being inserted inserting said authentication recording medium into [[the]] said first authentication recording medium read/write device for of said terminal for maintenance operation, and in the system for maintaining qualification of an operator said terminal for maintenance operation is connected to [[the]] said data management server via [[the]] said mobile terminal and a communication network, and said data management server is connected to [[the]] said PC for education via a local area network for sending or receiving data,

said skill authentication data stored in said authentication recording medium includes operation authority for said system or device to be managed/maintained at said work site, operation qualification level, expiration data of operation qualification level, contents of operation record including time, number of times and name of apparatus, data regarding work or operation status such as continuous work time and past quality management data

such as operation error, and contents to be downloaded to said authentication recording medium includes operation authority for said system or device to be managed/maintained at said work site, operation qualification level, expiration data of operation qualification level, data regarding work or operation status such as continuous work time and past quality management data such as operation error,

said mobile terminal has a function to read the data stored in said authentication recording medium by using said second authentication recording medium read/write device and to send the same to said data management server via said communication network, and a function to additionally record or update data received from said data management server in said authentication recording medium by using said second authentication recording medium read/write device,

[[the]] said data management server comprises includes a database for data regarding work or operation status and a database for quality management data, and has a function to collect and analyze uploaded data uploaded to said database, to make a decision operator qualification determinations and to download the decision contents qualification level determinations to [[the]] said authentication recording medium as skill authentication data, and upon receiving urgent operation approval data registered by an administrator, said data management server has a function to download the data via said mobile terminal to said authentication recording medium by using said second authentication recording medium read/write device,

[[the]] said PC for education comprises includes an authentication recording medium data reading/writing application program, a work application program, and an educational application program and a work application program which are programs is a program for educating an operator, and said PC for education has a function to provide educational material for self-learning regarding various operations, and a function to transmit a result of learning performed by [[the]] an operator to [[the]] said data management server via [[the]] said local area network, receive a content of a qualification determination from [[the]] said data management server via [[the]] said local area network, and additionally has a function to record/update the same to said authentication recording medium as skill authentication data

by [[the]] using said third authentication recording medium read/write device to the authentication recording medium as skill authentication data, and

said terminal for maintenance operation includes an operation application program and an authentication application program for said authentication recording medium, and said terminal for maintenance operation has a function to read data recorded in said authentication recording medium through said first authentication recording medium read/write device, to confirm identification authentication based on identification authentication data, and to authenticate a certain range of operation based on said skill authentication data, and after performing a maintenance operation, said terminal for maintenance operation has a function to log the contents of an operation record by an operator and to store the contents of the operation record to said authentication recording medium by using said first authentication recording medium read/write device.